

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
		<b>Application Number</b>	10/693,532	
		<b>Filing Date</b>	2003-10-23	
		<b>First Named Inventor</b>	WALTON; J. Rodney	
		<b>Art Unit</b>	2467	
		<b>Examiner Name</b>	TSEGAYE, Saba	
<b>Sheet</b>	1	of	4	<b>Attorney Docket No:</b> 020573

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2(f)</sup> (known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US4736371	04-05-1988	TEJIMA; Shunichiro et al.	
	002	US5493712	02-20-1996	RAMESH; Nallepilli S. et al.	
	003	US6275543	08-14-2001	PETRUS; Paul et al.	
	004	US6426971	07-30-2002	WU; Qiang et al.	
	005	US6463290	10-08-2002	STILP; Louis A. et al.	
	006	US6478422	11-12-2002	HANSEN; Richard Arvid	
	007	US6515617	02-04-2003	DEMERS; Stephanie et al.	
	008	US6574267	06-03-2003	KANTERAKIS; Emmanuel et al.	
	009	US6636496	10-21-2003	CHO; Dong-Ho et al.	
	010	US6757263	06-29-2004	OLDS; Keith A.	
	011	US6804191	10-12-2004	RICHARDSON; Tom	
	012	US6821535	11-23-2004	NURMI; Juha et al.	
	013	US6850252	02-01-2005	HOFFBERG; Steven M.	
	014	US6927728	08-09-2005	VOOK; Frederick W. et al.	
	015	US6952454	10-04-2005	JALALI; Ahmad et al.	
	016	US7006848	02-28-2006	LING; Fuyun et al.	
	017	US7039125	05-02-2006	FRIEDMAN; Vladimir	
	018	US7058367	06-06-2006	LUO; Hui et al.	
	019	US7184713	02-27-2007	KADOUS; Tamer et al.	
	020	US7191381	03-13-2007	GESBERT; David J. et al.	
	021	US7356089	04-08-2008	JIA; Ming et al.	

EXAMINER SIGNATURE

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡ See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. §Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ††Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. †††Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>	
		<b>Application Number</b>	10/693,532
		<b>Filing Date</b>	2003-10-23
		<b>First Named Inventor</b>	WALTON; J. Rodney
		<b>Art Unit</b>	2467
		<b>Examiner Name</b>	TSEGAYE, Saba
<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>4</b>
			<b>Attorney Docket No:</b> 020573

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2(f)</sup> (known)			
	022	US7603141	10-13-2009	DRAVIDA; Subrahmanyam	
	023	US20010017881	08-30-2001	BHATOOLAUL; David Lahiri et al.	
	024	US20020027951	03-07-2002	GORMLEY; Eamonn et al.	
	025	US20020075830	06-20-2002	HARTMAN; David L. Jr.	
	026	US20030045288	03-06-2003	LUSCHI; Carlo et al.	
	027	US20030076812	04-24-2003	BENEDITTIS; Rosella De	
	028	US20040005887	01-08-2004	BAHRENBURG; Stefan et al.	
	029	US20040071107	04-15-2004	KATS; Marat G. et al.	
	030	US20040120411	06-24-2004	WALTON; Jay Rodney et al.	
	031	US20040252632	12-16-2004	BOURDOUX; Andre et al.	
	032	US20050099974	05-12-2005	KATS; Marat et al.	
	033	US20060072649	04-06-2006	CHANG; Kyung-Hi et al.	
	034	US20060153237	07-13-2006	HWANG; In Tae et al.	
	035	US20070086536	04-19-2007	KETCHUM; John W. et al.	
	036	US20070274278	11-29-2007	CHOI; Sung-Ho et al.	
	037	US20080069015	03-20-2008	WALTON; J. Rodney et al.	
	038	US20080267098	10-30-2008	WALTON; J. Rodney et al.	
	039	US20080267138	10-30-2008	WALTON; J. Rodney et al.	
	040	US20100067401	03-18-2010	MEDVEDEV; Irina et al.	
	041	US20100119001	05-13-2010	WALTON; J. Rodney et al.	

EXAMINER SIGNATURE

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WFO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
		Application Number	10/693,532	
		Filing Date	2003-10-23	
		First Named Inventor	WALTON; J. Rodney	
		Art Unit	2467	
		Examiner Name	TSEGAYE, Saba	
Sheet	3	of	4	Attorney Docket No: 020573

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> Number*Kind Code <sup>5</sup> (if known)				
	042	EP1126673A2	08-22-2001	THOMSON LICENSING INC [FR]		<input type="checkbox"/>
	043	JP10084324	03-31-1998	LUCENT TECHNOLOGIES INC .		<input checked="" type="checkbox"/>
	044	JP10303794A	11-13-1998	MITSUBISHI ELECTRIC CORP .		<input type="checkbox"/>
	045	JP2003530010	10-07-2003	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	046	KR200011799	02-25-2000	SAMSUNG ELECTRONICS CO LTD [KR]		<input type="checkbox"/>
	047	KR20010098861	11-08-2001	NEC CORPORATION ., et al.		<input type="checkbox"/>
	048	KR20030085040	11-01-2003	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	049	WO02093784A1	11-21-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	050	WO9736377A1	10-02-1997	MOTOROLA INC [US]		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T2
	051	Office Action dated August 13, 2008 for Australian Application Serial No. 2004223374, 2 pages.				<input type="checkbox"/>
	052	Office Action dated June 27, 2008 for Chinese Application Serial No.200480011307.6, 3 pages.				<input type="checkbox"/>
						<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<i>Complete if Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/693,532	
		<b>Filing Date</b>	2003-10-23	
		<b>First Named Inventor</b>	WALTON; J. Rodney	
		<b>Art Unit</b>	2467	
		<b>Examiner Name</b>	TSEGAYE, Saba	
<b>Sheet</b>	<b>4</b>	<b>of</b>	<b>4</b>	<b>Attorney Docket No:</b> 020573

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/jameshuntYanceyjr53809/	Date (YYYY-MM-DD)	2011-08-31
Name/Print	James Hunt Yancey, Jr.	Registration Number	53809

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**